

ABSTRACT OF THE DISCLOSURE

In a printhead having an element substrate on which a digital circuit including a printing element and a drive circuit for driving the printing element in accordance with input print data, and an analog circuit including a detection circuit for obtaining information, a voltage generation circuit for generating the voltage for driving the analog circuit when the value of the voltage for driving the digital circuit is different from that of the analog circuit is arranged on the element substrate, and when the voltage for driving the digital circuit is actually different from that of the analog circuit, only the voltage for driving the digital circuit is externally supplied except a power supply voltage for the printing element, thereby simplifying the overall arrangement.